METHOD AND SYSTEM FOR COVERING MULTIPLE RESOURCES WITH A SINGLE CREDIT IN A COMPUTER SYSTEM

ABSTRACT OF THE DISCLOSURE

A method and system for communicating to a sender an availability of receiving a new message includes providing buffers having at least one corresponding slot for storing a message and providing a credit signal that communicates to the sender only when all of the buffers have at least one of the corresponding slot available for storing a new message. Each of the buffers is monitored for whether at least one of the corresponding slots is available for storing the new message. A corresponding receiver counter is provided for each of the buffers. Each receiver counter is decremented when all of the buffers have at least one corresponding slot available for storing the new message. Each of the buffers is configured to receive a corresponding particular message type. The particular message type of the new message is determined. The new message is loaded into the corresponding slot of one of the buffers which is configured for receiving the particular message type of the new message. The counter of each of the buffers in which the new message was not loaded is incremented. After the loaded new message is freed from the buffer in which it was loaded, the counter of the buffer in which the new message was loaded is incremented.